

## Report from the special interest group on Autonomic Disorders and Autonomic Neurorehabilitation

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## Topics

1. WCNR in Istanbul 2014
2. ANSIG activities in between and beyond WCNR 2014



**WFNR**

## Istanbul 2014 - two proposals

1. A teaching course which will provide an introduction to and hands on experience, of autonomic function testing in clinical setting
2. A symposium covering an update on the latest clinical research on major autonomic disorders, including neurorehabilitation and allied areas

## Teaching course on Clinical Autonomic Testing

## Teaching course on Clinical Autonomic Testing

- The course is aimed at attendees with minimal to moderate experience of clinical testing in autonomic disorders.
- It is aimed at a variety of healthcare workers dealing with patients with autonomic conditions and allied disorders, i.e. doctors, physiotherapists, occupational therapists and clinical scientists.

## Teaching course on Clinical Autonomic Testing

- It will be of benefit to those wishing to set up an autonomic testing laboratory and who would be involved in clinical trials that primarily or secondarily involve autonomic evaluation.

## Teaching course on Clinical Autonomic Testing

1. Introduction
  - Basic principles of the autonomic nervous system
  - Classification of key neurological disorders and allied disorders causing autonomic dysfunction and failure
  - A description of major autonomic disorders
2. Principles of autonomic testing
  - Focus on cardiovascular and sudomotor function
  - Examples of equipment and techniques, their advantages and limitations, as well as advice on interpretation

## Teaching course on Clinical Autonomic Testing

3. A clinical demonstration
  - Non-invasive measurement of BP, HR and other autonomic variables
  - In collaboration with a major manufacturer
4. Interactive discussion of case studies
  - To reinforce testing schedules in specific and common autonomic disorders

There will be opportunity also post teaching course, to discuss and test individually

## Teaching course on Clinical Autonomic Testing

### Speakers

- Professor Christopher J Mathias
- David Low, Senior Lecturer, Liverpool Moores University



## Teaching course on Clinical Autonomic Testing

### Collaborators

- SMART Medical, UK
- Finapres Medical Systems, Netherland



## Symposium on Advances in Autonomic Disorders

## Symposium on Advances in Autonomic Disorders

- This symposium will bring together cutting edge research and description of technological advances and novel therapeutic agents are changing the recognition, diagnosis and treatment of autonomic disorders.
- Including the newly described syndromes such as the Postural Tachycardia Syndrome (PoTS) in association with the Joint Hypermobility Syndrome/ Ehlers Danlos III (JHS/EDS III).
- Including common disorders with high morbidity/ mortality such as stroke and Parkinson's Disease with autonomic failure, where newer therapy has been making a major impact.

## Professor Christopher J Mathias

- Classification of autonomic disorders
- Description of major and common disorders
  - Autonomic failure with orthostatic hypotension
  - Autonomic mediated syncope (AMS)
  - Postural tachycardia syndrome (PoTS)
- Description of key disorders and management
  - Non-motor features, especially orthostatic hypotension in Parkinsonian syndromes
  - Treatment with the novel noradrenaline replacement agent, Droxidopa



## Professor Leonard SW Li

MBBS (NSW), MRCP (UK), FACRM, FAFRM (RACP), FRCP (Edinburgh and London), FHKCP, FHKAM (Medicine), Tung Wah Hospital and University of Hong Kong, President-elect WFNR

### Autonomic disturbances in stroke

- A review of autonomic dysfunction in stroke
- An update on the latest clinical research
- Implications for changing practice



## Professor Rodney Grahame

Professor Rodney Grahame, CBE, Emeritus Professor of Clinical Rheumatology at University College London, international authority on Joint Hypermobility Syndrome

- Interface between autonomic neurology and rheumatology, especially overlapping disabilities and multiple morbidities
- Management in the Joint Hypermobility Syndrome/ Ehlers Danlos III
- The implications the autonomic nervous system has on musculoskeletal therapy and pain management



## Future ANSIG activities

- ANSIG will be restructured
  - A new Chairperson will be working alongside and take over in Istanbul
  - A new committee will
    - Include clinicians, human physiologists and researchers
    - Get input from specialities with autonomic involvement (i.e. Parkinson's Disease, Spinal Cord Injuries)
    - Lead on the integration across disciplines
    - Make advances in utilising drugs with pharmaceutical companies (i.e. Droxidopa, botulinumtoxin)
    - Make technological advances (i.e. Finapres Medical Systems)

## Aim of ANSIG

To raise awareness of a variety of autonomic disorders where neuro-rehabilitation plays a key role in management

**Collaborate with other SIG groups!**

**WFNR**